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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/690,691	10/22/2003	Ying Chen	CN920020011US1	6135
48243	7590	02/08/2006	EXAMINER	
FLEIT, KAIN, GIBBONS, GUTMAN, BONGINI & BIANCO PL 551 NW 77TH STREET, SUITE 111 BOCA RATON, FL 33487			MANOHARAN, MUTHUSWAMY GANAPATHY	
			ART UNIT	PAPER NUMBER
			2683	

DATE MAILED: 02/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/690,691	CHEN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Muthuswamy G. Manoharan	2683	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 23 November 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 2-5,8-11 and 32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 2-5,8-11 and 32 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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***Response to Arguments***

Applicant's arguments with respect to claims 2-5,8-11 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claims 2, 5,9-11 and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hines et al. (hereinafter Hines) (US 2004/0192337) in view of Diacakis (US 20040185875).**

Regarding claim 1, Hines teaches a location service information providing system (Figure 1 and Figure 6) including at least one requester (item 402 in Figure 1) and at least one requestee (item 412 in Figure 4), the system providing subscribed information for one of said at least one requester, in response to a subscription service request sent from one of said at least one requester, subscribed information based on the location of one of said at least one requestee (Paragraph [0051], lines 1-3) said system comprising:

a location service providing device for generating a task in response to the subscription service request, sent from said one of said at least one requester (Paragraph [0051], lines 1-3), the task based on the location of said one of said at least one requestee (Paragraph [0053], line 2-4) said one of said at

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least one requestee receiving the task from said location service providing device (Paragraph [0052]; step 2 in Figure 6), executing the task (Paragraph [0053], line 3), generating the subscribed information responding to the subscription service request, and sending the generated subscribed information to said one of said at least one requester (Paragraph [0053], line 3-4); wherein the location service information providing device includes:

subscription service request receiving means (item 404 in Figure 4), for receiving the subscription service request from said one of said at least one requester (step 1 in Figure 4; Paragraph [0051], lines 1-3),

geographical information storage means (item 105 in Figure 1; Paragraph [0006], lines 3-6), for storing the spacial geographical location information within the range where said at least one requestee can be located;

task application generation module storage means (items 160 and 100 in Figure 1), for storing one or more task application generation modules for generating task applications;

geographical information extracting means, for extracting the spacial geographical information relating to the geographical information specified from the subscription service request, from said geographical information storage means (item 105 and 170 in Figure 1),

and a task generator (item 406 in Figure 6), for generating one or more tasks, according to one or more triggers included in the subscription service request (Paragraph [0007], lines 1-8)

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by utilizing the task application generation modules and the spacial geographical location information extracted by said geographical information extracting means, (step 2 in Figure 6; Paragraph [0052], line 1-4).

Hines did not teach specifically wherein each trigger of the plurality of triggers has a priority with respect to one another, the priorities being included in the subscription service request, and wherein said task generator further generates a controlling program for controlling the sequence of running the tasks based on the priorities, and transmits said controlling program to said one of said atleast one requestee. However, Diacakis teaches in an analogous art, wherein each trigger of the plurality of triggers has a priority with respect to one another, the priorities being included in the subscription service request, and wherein said task generator further generates a controlling program for controlling the sequence of running the tasks based on the priorities, and transmits said controlling program to said one of said atleast one requestee (Paragraph [0039], lines 1-28). Therefore, it would be obvious to one of ordinary skill in the art at the time of invention to wherein each trigger of the plurality of triggers has a priority with respect to one another, the priorities being included in the subscription service request, and wherein said task generator further generates a controlling program for controlling the sequence of running the tasks based on the priorities, and transmits said controlling program to said one of said atleast one requestee. This modification helps in organizing time critical task applications.

Regarding claim 5, Hines teaches the location service providing system according to claim 2, wherein the one or more triggers (Figure 5) being spacial

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and/or temporal related conditions (Paragraph [0033], lines 10-12, Paragraph [0032], line 1) relating to the specified geographical location.

Regarding claim 8, Hines teaches the location service information providing system according to claim 3, wherein said self-positioning means a GPS system (Paragraph [0037], lines 6-8).

Regarding claim 9, Hines teaches a location service information providing device (item 404 in Figure 6), for generating a task based on a location of a requestee (item 130 in Figure 1) for a requester, in response to the subscription service request based on the location of the requestee sent from the requester, said location service information providing device comprising: subscription service request receiving means (step 1 in Figure 4), for receiving the subscription service request from said requester (item 420 in Figure 4), geographical information storage means (item 105 in Figure 1), for storing the spatial geographical location information within the range where said requestee is that can be located, task application generation module storage means, for storing one or more task application generation modules for generating task applications geographical information extracting means ("MAP DATA" in Figure 1), for extracting the spatial geographical information relating to the geographical information specified from the subscription service request, from said geographical information storage means; task generator (item 160 in Figure 1), for generating one or more task applications for generating the subscribed information relative to the geographical location information, according to one or more triggers included in the subscription service request and for triggering

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generating a task based on the generated task application(s) and the geographical information extracted by said geographical information extracting means(step 2 in Figure 4 and Figure 6), wherein each trigger of the plurality of triggers has a priority with respect to one another, the priorities being included in the subscription service request, and wherein said task generator further generates a controlling program for controlling the sequence of running the tasks based on the priorities, and transmits said controlling program to said one of said atleast one requestee. However, Diacakis teaches in an analogous art, wherein each trigger of the plurality of triggers has a priority with respect to one another, the priorities being included in the subscription service request, and wherein said task generator further generates a controlling program for controlling the sequence of running the tasks based on the priorities, and transmits said controlling program to said one of said atleast one requestee. Therefore, it would be obvious to one of ordinary skill in the art at the time of invention to wherein each trigger of the plurality of triggers has a priority with respect to one another, the priorities being included in the subscription service request, and wherein said task generator further generates a controlling program for controlling the sequence of running the tasks based on the priorities, and transmits said controlling program to said one of said atleast one requestee. This modification helps in organizing time critical task applications.

Regarding claim 10, Hines teaches the location service information providing device according to claim 9, wherein said location service information providing device further comprises subscribed information transmitting means for

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transmitting the subscribed information received from said requestee to said requester (Paragraph [0054], lines 2-3).

Regarding claim 11, Hines teaches the location service information providing device according to claim 9 wherein the one or more triggers ("UE software monitors Areas to send trigger" and step 3 in Figure 6) are spatial and/or temporal (Paragraph [0033], lines 10-12; Paragraph [0032], line 1) related conditions relating to the specified geographical location.

Claim 32 is rejected for the same reasons as set forth in claim 2.

**Claim 3, and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hines in view of Rankin et al. (hereinafter Rankine) (US 2002/0155844).**

Regarding claim 3 Hines teaches all the particulars of the claim2. Regarding claim 3, further teaches the location service information providing system according to claim 2, said one of said at least one requestee (item 412 in Figure 6) comprising: task receiving means (step 2 in Figure 6), for receiving the task from said location service information providing device; task application storage means, for storing the task application(s) included in the task (Paragraph [0053], line 1); task executing engine (Paragraph [0053], lines 1-5), for controlling, in response to the received task by said task receiving means, the running of the task application(s) stored in said task application storage means to generate the subscribed information; self-positioning means (Paragraph [0037], lines 6-8), for providing the current geographical location information of said one of said at least one requestee for the task application(s); subscribed information



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transmitting means(Paragraph [0056], lines 1-5), for sending the subscribed information generated by the task application(s) to said one of said at least one requester. Hines fails to teach geographical information storage means, for storing the spatial geographical information included in the task. However, Rankin teaches in an analogous art, geographical information storage means, for storing the spatial geographical information included in the task (Paragraph [0011], line 1-8). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to have geographical information storage means, for storing the spatial geographical information included in the task. This modification helps in reducing the network traffic and latency.

Regarding claim 4, Hines in view of Rankin teaches all the particulars of claim 3. Hines further teaches the location service information providing system according to claim 3, said location service information providing device further comprising subscribed information transmitting means for transmitting the subscribed information received from said one of said at least one requestee to said one of said at least one requester (Paragraph [0054], lines 2-3).

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Silip et. al. (6519465) teaches higher priority location triggers (Col. 28, lines 43-47)

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Muthuswamy G. Manoharan whose telephone number is 571-272-5515. The examiner can normally be reached on 7:30AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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